

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANTS: Charles S. Zuker et al.  
APPLICATION NO.: 09/927,315  
FILING DATE: August 10, 2001  
TITLE: Mammalian Sweet Taste Receptors  
EXAMINER: Michael T. Brannock  
GROUP ART UNIT: 1649  
ATTY. DKT. NO.: 23540-10616/US  
CLIENT REF NO.: 2001-F10-2

**CERTIFICATE OF ELECTRONIC (EFS-WEB) TRANSMISSION**

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Dated: August 22, 2007 By: /Susan T. Hubl /

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**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**  
**Under 37 CFR §§ 1.56 and 1.97-98**

SIR:

Pursuant to the provisions of 37 CFR §§ 1.56 and 1.97-98, enclosed herewith is modified form PTO/SB/08A listing references for consideration by the Examiner.

The filing of this Information Disclosure Statement shall not be construed as a representation regarding the completeness of the list of references, or that inclusion of a reference in this list is an admission that it is prior art or is pertinent to this application, or that a search has been made, or as an admission that the information listed is, or may be considered to be, material to patentability, or that no other material information exists, and shall not be construed as an admission against interest in any manner.

This Information Disclosure Statement is being filed:

- ☐ within three months of the filing date of the application, or date of entry into the national stage of an international application, or before the mailing date of a first office action on the merits, whichever event last occurred;
- ☐ before the mailing of a first official action after the filing of a request for continued examination (RCE) under 37 CFR § 1.114;

- ☒ after three months of the filing date of this national application or the date of entry of the national stage in an international application, or after the mailing date of the first official action on the merits, whichever event last occurred, but before the mailing date of the first to occur of either: (1) a final action under 37 CFR §1.113; or (2) an action that otherwise closes prosecution in the application, and:
    - ☒ attached hereto is the fee set forth under 37 CFR §1.17(p) for submission of this Information Disclosure Statement under 37 CFR. § 1.97(c); OR
    - ☐ Applicant certifies pursuant to 37 CFR § 1.97(e) that:
      - ☐ each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; OR
      - ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement;
  - ☐ on or before the payment of the issue fee but after the mailing date of the first to occur of either: (1) a final action under 37 CFR § 1.113; (2) a notice of allowance under 37 CFR § 1.311; or (3) an action that otherwise closes prosecution in the application, and:
    - ☐ Applicant certifies pursuant to 37 CFR. § 1.97(e) that:
      - ☐ each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement;
      - ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement;
- AND

- ☐ attached hereto is the fee set forth under 37 CFR §1.17(p) for submission of this Information Disclosure Statement under 37 CFR. § 1.97(d); OR
- ☐ after the payment of the issue fee. Applicant requests that the information contained in this Information Disclosure Statement be placed in the file according to 37 CFR § 1.97(i), although the information may not be considered by the USPTO.
- ☐ Enclosed is a copy of each listed reference that may be material to the examination of this application, and for which there may be a duty to disclose.
- ☐ This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior application No. \_\_\_\_\_, filed on \_\_\_\_\_, and the references cited therein are hereby referenced, but are not required to be provided in this application under 37 CFR § 1.98(d).
- ☒ Copies of any foreign patent documents and non-patent literature cited herein are enclosed.
- ☐ Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application, and the communication was not received by any individual designated in 37 CFR § 1.56(c) more than thirty days prior to the filing of this Information Disclosure Statement. 37 CFR § 1.704(d).
- ☐ Applicant submits that no fee is required for the consideration of this Information Disclosure Statement.

Consideration of the listed references and favorable action are solicited.

Respectfully submitted,  
CHARLES S. ZUKER ET AL.

Dated: August 22, 2007

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

Filed on: August 22, 2007

Sheet	1	of	2
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**Complete if Known**

Application No.	09/927,315
Filing Date	August 10, 2001
First Named Inventor	Charles S. Zuker
Art Unit	1649
Examiner Name	Michael T. Brannock
Attorney Docket Number	23540-10616 (2001-F10-2 )

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document No. Number – Kind Code <sup>2</sup> (if known)	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	A1	US-2003/0008344 A1	01-09-2003	Adler et al.
	A2	US-2002/0160424 A1	10-31-2002	Adler et al.

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> – Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T <sup>6</sup>
	B1	EP 1270724 A2	01-02-2003	Nat. Inst. Of Advanced Ind. Science	
	B2	WO 03/001876 A2	01-09-2003	Senomyx, Inc.	
	B3	WO 02/064631 A2	08-22-2002	Senomyx, Inc.	
	B4	WO 01/66563 A2	09-13-2001	Senomyx, Inc.	
	B5	WO 01/64882 A2	09-07-2001	Millennium Pharm. Inc.	
	B6	WO 01/83749 A2	11-08-2001	Warner Lambert Co.	

**OTHER REFERENCES – NON-PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>6</sup>
	C1	ADLER, et al., "A Novel Family of Mammalian Taste Receptors," Cell, March 17, 2000, vol. 100, pp. 693 – 702, Cell Press.	
	C2	CHANDRASHEKAR, et al., "T2Rs Function as Bitter Taste Receptors," Cell, vol. 100, March 17, 2000, pp. 703 – 711, Cell Press.	
	C3	Communication Pursuant to Article 96(2) EPC, EP 04794142.2, May 15, 2007, 4 pages.	
	C4	HOON, M. A., et al., "Putative Mammalian Taste Receptors: A Class of Taste-Specific GPCRs with Distant Topographic Selectivity," Cell, February 19, 1999, vol. 96, pp. 541 – 551, Cell Press.	
	C5	International Search Report and Written Opinion, PCT/US04/32678, February 1, 2006, 8 pages.	
	C6	KITAGAWA, M., et al., "Molecular Genetic Identification of a Candidate Receptor Gene for Sweet Taste," Biochemical and Biophysical Research Communications, April 27, 2001, pp. 236 – 242, vol., 283, no., 1.	
	C7	LI, X. et al., "High-Resolution Genetic Mapping of the Saccharin Preference Locus (Sac) and the Putative Sweet Taste Receptor (T1R1) Gene (Gpr70) to Mouse Distal Chromosome 4," Mammalian Genome,	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.

Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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Sheet	2	of	2	Application No.	09/927,315
				Filing Date	August 10, 2001
				First Named Inventor	Charles S. Zuker
				Art Unit	1649
				Examiner Name	Michael T. Brannock
				Attorney Docket Number	23540-10616 (2001-F10-2 )

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		January 2001, pp. 13-16, Vol. 12, No. 1.	
	C8	LI, X., et al., "Human Receptors for Sweet and Umami Taste," PNAS, April 2, 2002, vol. 99, no. 7, pp. 4692 – 4669.	
	C9	MAX, et al., "Tas1r3, Encoding a New Candidate Taste Receptor, is Allelic to the Sweet Responsiveness Locus Sac," Nature Genetics, May 2001, vol. 28, pp. 58 – 63, Nature Publishing Group.	
	C10	MONTMAYEUR, et al., "A Candidate Taste Receptor Gene Near a Sweet Taste Locus," Nature Neuroscience, May 2001, vol. 4, no. 5, pp. 492 – 498, Nature Publishing Group.	
	C11	NELSON, et al., "An Amino-Acid Taste Receptor," Nature, Advanced Online Publication (DOI 10.1038/nature726), February 24, 2002, 4 pages.	
	C12	NELSON, et al., "Mammalian Sweet Taste Receptors," Cell, August 10, 2001, vol. 106, pp. 381 – 390, Cell Press.	
	C13	SAINZ, E. et al., "Identification of a Novel Member of the T1R Family of Putative Taste Receptors," Journal of Neurochemistry, May 2001, pp. 896-903, Vol. 77, No. 3.	
	C14	Supplementary European Search Report, EP 02749804, July 11, 2007, 8 pages.	

Examiner Signature		Date Considered	
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